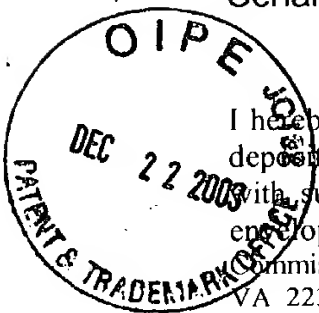


Serial No.: 09/586,624



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Name of applicant, assignee or  
Registered Representative

[Signature]  
Signature  
12/18/03  
Date of Signature

Our Case No. 9281/3660

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Naoya HASAGAWA

Serial No.: 09/586,624

Filing Date: 06/02/2000

For: SPIN-VALVE TYPE  
MAGNETORESISTIVE SENSOR  
AND METHOD OF  
MANUFACTURING THE SAME

)  
)  
)  
) Examiner: Bernatz, Kevin M.

)  
)  
)  
) Group Art Unit: 1773

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

MS/Non-fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This paper is submitted in response to the Office action of September 2, 2003. The Claims begin on page 2 and the Remarks begin on page 6.